



AZM 170B-ST-FB-ZRA

- Long life
- Compact design
- Double-insulated
- High holding force
- 90 mm x 84 mm x 30 mm
- Thermoplastic enclosure
- connector plug M12, 8-pole
- Interlock with protection against incorrect locking.
- Device version for connection to a Safety-Field-Box SFB

Data

Ordering data

	AZM 170B-ST-FB-ZRA
	103038468
EAN (European Article Number)	4030661546544
eCl@ss number, Version 9.0	27-27-26-03

Approval - Standards

EAC

General data

	AZM 170
	EN 60947-5-1
	BG-GS-ET-19
Coding level according to ISO 14119	Low
Active principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	333.9 g

General data - Features

Number of actuating directions	2
Number of auxiliary contacts	1
Number of safety contacts	2

Safety appraisal

ISO 13849-1

Mission Time

20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)

2,000,000 Operations

Mechanical data

Mechanical life, minimum

1,000,000 Operations

Clamping force in accordance with
ISO14119 F_{zh}

1,000 N

Latching force

5 N

positive break travel

11 mm

Positive break force, minimum

8.5 N

Actuating speed, maximum

2 m/s

Mechanical data - Connection technique

Terminal Connector

Connector plug M12, 8-pole, (A-coding)

Mechanical data - Dimensions

Height of sensor

92.5 mm

Length of sensor

30 mm

Width of sensor

90 mm

Ambient conditions

Protection class

IP 67 to IEC/EN 60529

Ambient temperature, minimum

-25 °C

Ambient temperature, maximum

+60 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage

4 kV

Electrical data

Thermal test current

6 A

Rated control voltage

24 VDC

Required rated short-circuit current to
EN 60947-5-1

1,000 A

Electrical power consumption,
maximum

10 W

Switching element

NO contact, NC contact

Note (Switching element)	Change-over contact with double break, type Zb or 2 NC contacts, with galvanically separated contact bridges
Switching principle	Creep circuit element
Switching frequency	1,000 /h

Electrical data - Safety contacts

Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	2 A

Other data

Note (applications)	sliding safety guard removable guard hinged safety guard
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Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Notes

Note (General)	Individual coding available on request
Note (Manual release)	right For manual release using M5 triangular key, available as accessory

Ordering code

Product type description:

AZM 170(1)-(2)Z(3)K(4)-(5)-(6)-(7)

(1)

without IDC method of termination

SK Screw connection

(2)

11 1 NO contacts/1 NC contact

02 2 NC contact

(3)

without Latching force 5 N

R Latching force 30 N

I Individual coding

(4)

without Power to unlock

A Power to lock

(5)

without cable gland

ST M12 x 1 connector

ST-2431 Connector M12 x 1, individual solenoid monitoring

(6)

24VAC/DC Us 24 VAC/DC

110VAC Us 110 VAC

230VAC Us 230 VAC

(7)

without Manual release

2197 Manual release from side (Power to unlock)

1637 Gold-plated contacts

(1)

11/11 1 NO contact, 1 NC contact / 1 NO contact 1, NC contact

11/02 1 NO contact, 1 NC contact / 2 NC contacts

12/00 1 NO contact, 2 NC contacts / -

12/11 1 NO contact, 2 NC contact / 1 NO contact 1, NC contact

12/02 1 NO contact, 2 NC contact / 2 NC contacts

02/01 2 NC contacts / 1 NC contact

02/10 2 NC contacts, - / 1 NO contact

(2)

without Latching force 5 N

R Latching force 30 N

(3)

without Power to unlock

A Power to lock

(4)

1637 Gold-plated contacts

(5)

2197 Manual release for Power to unlock

Pictures

Photo/Product/Catalogue



ID: kazm1f80

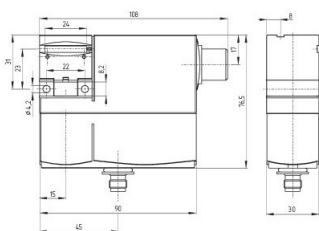
| 401,8 kB | .jpg | 243.769 x 212.372 mm - 691 x 602

Pixel - 72 dpi

| 48,1 kB | .png | 74.083 x 64.558 mm - 210 x 183

Pixel - 72 dpi

Dimension/Product/Basic

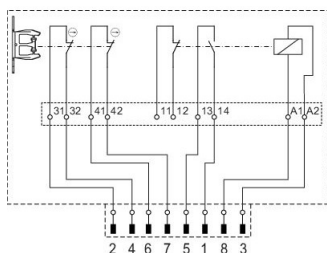


ID: kazm170fb

| 106,8 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

Graphic/Product/Contact

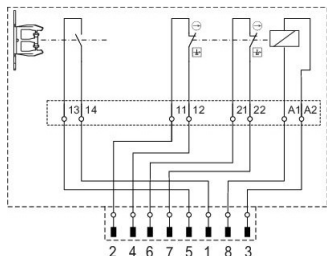


ID: kazm170fb

| 121,0 kB | .jpg | 352.778 x 273.756 mm - 1000 x 776

Pixel - 72 dpi

Graphic/Product/Contact

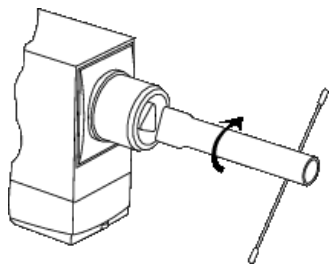


ID: kazm170fb-rs

| 125,4 kB | .jpg | 352.778 x 281.517 mm - 1000 x 798

Pixel - 72 dpi

Illustration/Product/Function

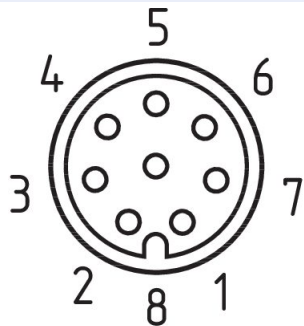


ID: kazm1a71

| 4,6 kB | .png | 74.083 x 58.914 mm - 210 x 167 Pixel
- 72 dpi

| 113,1 kB | .jpg | 352.778 x 280.811 mm - 1000 x 796
Pixel - 72 dpi

Graphic/Product/PIN



ID: km23-k8a

| 18,0 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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